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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.		N1085-00144		
First Inventor		Ting-Chu Ko et al.		
Title	LOW RESISTANCE AND RELIABLE COPPER INTERCONNECTS BY VARIABLE DOPING			

(Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. | EV 1759634561 Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: **Box Patent Application** Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages 3. Computer Readable Form (CRF) (preferred arrangement set forth below) - Descriptive title of the invention b. Specification Sequence Listing on: - Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, i i. 🔲 or a computer program listing appendix Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS - Brief Description of the Drawings (if filed) Detailed Description 9. Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of - Abstract of the Disclosure (when there is an assignee) Attorney English Translation Document (if applicable) 4. Drawing(s) (35 U.S.C. 113) [Total Sheets Copies of IDS Information Disclosure 12. 5. Oath or Declaration [Total Pages Citations Statement (IDS)/PTO-1449 Unexecuted (original or copy) Copy from a prior application (37 CFR 1.63 (d)) **Preliminary Amendment** Return Receipt Postcard (MPEP 503) 14. b. (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) Nonpublication Request under 35 U.S.C. 122 named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Other: Certification Under 37 C.F.R: 1:10 ···· Application Data Sheet. See 37 CFR 1.76 17. 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:_ Prior application information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS 1 Customer Number or Bar Code Label Correspondence address below William H. Murray Name Duane Morris LLP Address One Liberty Place Philadelphia City State Zip Code PA 19103-7396 215-979-1264 Country USA Telephone Fax 215-979-1020 William H. Muray, Esquire Name (Print/Type) Registration No. (Attorney/Agent) 27,218 08/08/2003 Signature Date

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PTO/SB/17 (01-03)
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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

	(\$)	790	.00
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Compl te if Known					
Application Number					
Filing Date	08/08/2003				
First Named Inventor	Ting-Chu Ko et al.				
Examiner Name					
Art Unit					
Attorney Docket No.	N1085-00144				

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. A	DDITI	ONA	LFEE	S	
Deposit Account:	<u>Large</u>	Entity	Small	Entity	•	
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Foo Boid
Account Number 04-1679	1051	130	2051		Surcharge - late filing fee or oath	Fee Paid
Deposit	1052	50	2052		Surcharge - late provisional filing fee or	
Account Name Morris LLP	4053	420	4052	400	cover sheet	
The Commissioner is authorized to: (check all that apply)	1053	130 2,520	1053		Non-English specification For filing a request for ex parte reexamination	
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804	•	Requesting publication of SIR prior to	
Charge any additional fee(s) during the pendency of this application	1004	320	1004	320	Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	1
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month	
FEE CALCULATION	1252	410	2252	205	Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Description Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255	1,970	2255	985	Extension for reply within fifth month	
1002 330 2002 165 Design filing fee 750.00	1401	320	2401	160	Notice of Appeal	1 1
1003 520 2003 260 Plant filing fee	1402	320	2402		Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403		Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 750.00	1452	110	2452		Petition to revive - unavoidable	
	1453	1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	470	2502		Design issue fee	
Total Claims 2020** = 0X 18 = 0	1503	630	2503	315	Plant issue fee	
Independent 3 - 3** = 0 x 84 = 0 Multiple Dependent	1460	130	1460	130	Petitions to the Commissioner	
لـــا لــا	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	l 40	Recording each patent assignment per property (times number of properties)	1
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection	h
1201 84 2201 42 Independent claims in excess of 3					(37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))))
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900		
SUBTOTAL (2) (\$) 0	Other	fee (sp	ecify) _			
**or number previously paid, if greater; For Reissues, see above	*Redu	iced by	Basic F	Filing F	ee Paid SUBTOTAL (3) (\$) 0	

SUBMITTED BY	(Complet	(Complete (if applicable)				
Name (Print/Type)	William H. Murray, Esquire	Registration No. 27,218		Telephone 215-979-1264		
Signature	I de la			Date	08/08/2003	

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

EXPRESS MAIL LABEL NO.: EV175963456US ATTORNEY DOCKET NO.: N1085-00144 [TSMC2002-0854]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ting-Chu Ko et al.

Serial No.: Not Yet Assigned Examiner: Not Yet Assigned

Filed: 08/08/2003 Group Art Unit: Not Yet Assigned

For: LOW RESISTANCE AND RELIABLE COPPER INTERCONNECTS BY

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CERTIFICATION UNDER 37 C.F.R. 1.10

I hereby certify that this document (along with the enclosed Patent Application Transmittal and any documents referred to therein) is being deposited with the United States Postal Service on the date shown below with sufficient postage as "Express Mail Post Office to Addressee" Mailing Label Number **EV175963456US** to the following:

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Dated: 8 8 2007

Chris Lambriodes